Index of Claims

| Application No. | Applicant(s)            |
|-----------------|-------------------------|
| 10/627;401      | MARTINEZ, MANUEL TORRES |
| Examiner        | Art Unit                |

| , | Rejected | - | (Through nu<br>Cancell |
|---|----------|---|------------------------|
|   | Allowed  | + | Restrict               |

| rough numeral)<br>Cancelled | N | Non-Elected  |
|-----------------------------|---|--------------|
| Restricted                  | - | Interference |

SANG KIM

| A | Appeal   |
|---|----------|
| 0 | Objected |

3654

| Cla          | aim      |              |                |          |          | Date           | <del></del>     |               |          | 7        | Cla          | im       | Π               |                 | _        |          | ate      |          |          |          | ٦        | Cla  | aim        |          |          |                | Date            |               |          |          |
|--------------|----------|--------------|----------------|----------|----------|----------------|-----------------|---------------|----------|----------|--------------|----------|-----------------|-----------------|----------|----------|----------|----------|----------|----------|----------|--|------------|----------|----------|----------------|-----------------|---------------|----------|----------|
|              | Γ_       | 10-52-6      | F              |          | ri       | Ï              |                 |               | T        | 1        |              |          | П               |                 |          | 可        | Ť        | $\neg$   | Т        | Т        | 1        |  |            |          | T        |                | $\Box$          |               | $\top$   | $\top$   |
| <u></u>      | Original | 1,7          |                |          |          |                |                 |               |          | ł        | <del>-</del> | Original |                 |                 |          |          |          |          | - 1      |          |          | a  | Original   |          |          |                |                 |               |          |          |
| Final        | ğ        | 13           |                |          |          |                |                 | 1             |          |          | Final        | <u>.</u> |                 |                 |          |          |          |          | -        | -        |          | Final  | ġ          |          |          |                |                 |               |          |          |
| "            | Õ        | 4            |                |          |          |                |                 |               |          | 1        | -            | Õ        |                 |                 |          |          |          |          | -        |          |          | _  | Õ          |          |          |                |                 |               |          | -        |
|              | 0        | V            |                |          |          | Н              |                 | $\dashv$      | $\dashv$ | ⊣        |              | 51       | Н               | $\dashv$        | -        | $\dashv$ | $\dashv$ | ╅        | +        | +        | ┨        |  | 101        | +        | +        | $\vdash$       |                 | _             | $\dashv$ | +        |
| _            | 2        | Ĵ            | -              | -        | -        | Н              | $\vdash$        | $\dashv$      |          | ⊣        | -            | 52       | H               | $\dashv$        | -        | -        | -        | +        | $\dashv$ |          | ┨        | -  | 102        |          | ╁        | ⊢              | Н               | $\vdash$      | $\dashv$ | +        |
| -            |          | 6            | ⊢              | _        | -        | Н              | $\vdash$        | $\dashv$      | $\dashv$ | ⊣        |              | 53       | $\vdash$        |                 | $\dashv$ | $\dashv$ | -        | +        | $\dashv$ | -        | 4        | -  | 103        | +        | +-       | ┝              |                 | -             | +        | +        |
| $\vdash$     | 4        | <del> </del> |                |          |          | -              | $\vdash$        | $\dashv$      | -        | -        |              | 54       |                 | $\dashv$        | -        | -        |          | +        | +        | +        | $\dashv$ |  | 103        |          | ╁        | $\vdash$       | Н               | $\dashv$      | $\dashv$ | +        |
|              | 5        | 8            | <u> </u>       |          |          | Н              | $\vdash$        | $\dashv$      |          |          | -            | 55       | $\vdash$        | $\dashv$        | -        |          | $\dashv$ | +        | +        | +        | -        |  | 105        |          | ╁        | ⊢              | Н               | $\vdash$      | $\dashv$ | ╬        |
| -            |          | -            | -              |          |          | Н              | $\vdash$        | $\dashv$      | $\dashv$ | -        | -            | 56       | $\vdash$        | $\dashv$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | ┥        |  | 106        | +        | +        | ⊢              | Н               | $\rightarrow$ | +        |          |
| <u> </u>     | 6        | 8            | <u> </u>       |          |          | Н              |                 |               |          | ⊣        | <u> </u>     |          | _               | $\dashv$        | $\dashv$ |          | $\dashv$ | +        | +        | +        | -        |  | 107        |          | ┼        | ⊢              | Н               | $\rightarrow$ | $\dashv$ | +        |
| <b></b>      | 7        | IJ           | <u> </u>       | _        |          | Н              | Н               | -             | -+       | ╣        | -            | 57<br>58 |                 | $\dashv$        | $\dashv$ |          |          | +        | +        |          | $\dashv$ |  | 107        |          | ╁        | ├              | Н               | -             | $\dashv$ | +        |
| <u></u>      | 8        | Κ,           | _              |          |          | Н              | $\vdash$        | $\vdash$      | -        | {        |              | 59       |                 | -               | $\dashv$ | -+       |          | +        | +        |          | -        | $\vdash$   | 108        | +        | +-       | ├              | Н               |               | -+       |          |
| -            | 9        | _            | <u> </u>       |          | _        |                | _               |               | -        |          | -            |          | <u> </u>        | -               | $\dashv$ | -        | $\dashv$ | +        | +        | +        | -        | _  | 110        | +        | $\vdash$ | ⊢              | Н               | $\dashv$      | -        |          |
| -            | 10       | <u> </u>     | <u> </u>       | _        | Н        | -              | $\dashv$        | $\vdash$      | $\dashv$ |          |              | 60       | -               | -               |          | -        | $\dashv$ | +        | +        |          | -        |  |            | -        | ╀        | ⊢              | Н               | $\dashv$      | $\dashv$ | +        |
| <u></u>      | 11       | $\vdash$     | <del> </del>   | $\vdash$ | Н        | Н              | $\vdash$        |               | $\dashv$ | $\dashv$ | -            | 61       | H               | H               |          |          | -        | +        | +        | +        | $\dashv$ | <u> </u>   | 111        | +        | $\vdash$ | $\vdash$       | Н               | +             | $\dashv$ | +        |
| <b>├</b>     | 12       | <u> </u>     | <del> </del> — | H        | Ш        | Ш              | Ш               | $\sqcup$      | $\dashv$ | $\dashv$ | <u> </u>     | 62       | -               | $\vdash \vdash$ | $\dashv$ |          | $\dashv$ | +        | +        | +        | 4        | <u> </u>   | 112        |          | $\vdash$ | <del> </del>   | $\vdash \vdash$ | $\dashv$      | +        | +        |
| $\vdash$     | 13       | ├            | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$       | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ | _            | 63       | $\vdash$        | $\vdash$        | $\dashv$ |          | -        | -+       | -        | +        | $\dashv$ | $\vdash$   | 113<br>114 |          | +-       | -              | Н               | -+            | +        | +        |
|              | 14       | <del> </del> | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash\vdash$ | $\vdash\vdash$  | $\vdash$      |          | $\dashv$ | $\vdash$     | 64<br>65 | $\vdash$        | $\dashv$        | $\dashv$ |          | -+       | $\dashv$ | +        | -        | -        | <u> </u>   | 115        | +        | +        | $\vdash$       | Н               | $\dashv$      | +        | +        |
| <b>-</b>     |          | $\vdash$     | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash\vdash$ | $\vdash\vdash$  | $\dashv$      | $\dashv$ |          | $\vdash$     | 66       | -               | $\vdash$        | $\dashv$ |          | -        | $\dashv$ | +        | +        | ┨        |  | 116        |          | +        | ⊢              | Н               | $\dashv$      | +        | +        |
| <u> </u>     | 16<br>17 | -            | ⊢              |          | <u> </u> | $\vdash$       | -               | -             | $\dashv$ | ┥        |              | 67       | <u> </u>        | Н               |          | $\dashv$ | $\dashv$ | +        | +        | +        | ┨        |  | 117        |          | ╫        | ┝              | Н               | $\dashv$      | $\dashv$ |          |
| <u> </u>     |          | -            | ├              |          |          | Н              | -               | $\dashv$      | $\dashv$ | {        | <b> </b>     |          | -               |                 |          | $\dashv$ | $\dashv$ | +        | +        | +        | ┨        | <u> </u>   | 118        |          | ╫        | <del> </del> — | Н               | -             | $\dashv$ |          |
| -            | 18       | _            | ⊢              |          | $\vdash$ | Н              | -               | -             |          | -        |              | 68       | _               | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        |          | ┥        |  |            |          | +        | ⊢              | Н               | -+            | +        | +        |
|              | 19       | <u> </u>     | ├              | <u> </u> | -        |                | -               | $\dashv$      |          | -{       | ļ            | 69       | <u> </u>        | Н               | $\dashv$ |          |          | +        | +        | -        | ┥        | <u> </u>   | 119<br>120 | -        | ╁        | ⊢              | Н               | $\dashv$      | $\dashv$ | +        |
| -            | 20       | -            | ⊢              | <u> </u> | L        | Н              | -               | $\rightarrow$ | $\dashv$ |          |              | 70       | _               | $\vdash$        | $\dashv$ | -        | $\dashv$ |          | +        | -        | ┨        |  |            |          | ╁        | -              | Н               |               | +        | +        |
|              | 21       |              | ⊢              |          | $\vdash$ | Н              |                 |               | -        |          | -            | 71       |                 | $\vdash$        | $\dashv$ | -        | $\dashv$ | +        | -+       | -        | -        |  | 121        |          | ┼        | -              | $\vdash$        |               | +        | -        |
| -            | 22       |              | ⊢              |          | <u> </u> | Н              | $\dashv$        | $\dashv$      | $\dashv$ | {        | <b> </b>     | 72       | H               | $\dashv$        |          |          |          | +        | $\dashv$ |          | ┨        | _  | 122<br>123 | -        | ╁        | H              | Н               | $\dashv$      | +        | $\dashv$ |
| <u> </u>     | 23       |              | ⊢              |          | _        | Н              | -               | $\vdash$      | -        | ⊣        | ļ            | 73<br>74 | _               | $\dashv$        | $\dashv$ |          | -        | +        | +        |          | ┨        |  | 123        | -        | ╁        | ⊢              | Н               | $\dashv$      | $\dashv$ | +        |
| -            | 25       | -            | -              | -        |          | Н              | $\dashv$        | $\vdash$      | $\dashv$ | $\dashv$ |              | 75       | $\vdash$        | $\vdash$        | $\dashv$ |          | -        | $\dashv$ | +        | -        | -        |  | 125        | -+-      | +        | ⊢              | Н               | $\dashv$      | $\dashv$ | +        |
| $\vdash$     | 26       | -            | ⊢              | -        | -        | Н              | $\dashv$        | $\vdash$      | -        | $\dashv$ | -            | 76       | <b>-</b>        |                 | $\dashv$ | $\dashv$ | -        | +        | +        | +        | -        |  | 126        |          | ╁        |                | Н               |               | -+       | +        |
|              | 27       | -            | ⊢              |          |          | Н              | -               | -             |          | ⊣        | -            | 77       | -               | $\vdash$        |          |          |          | $\dashv$ | +        |          | ┥        |  | 127        | +        | ╁        | ┝              | H               | $\dashv$      | +        | +        |
| $\vdash$     | 28       | -            | ⊢              |          |          | Н              | -               | -             |          | -        |              | 78       |                 | Н               | $\dashv$ | ┥        | -        | +        | -        |          | ┨        |  | 128        |          | ╁        | -              | Н               |               | -+       | +-       |
| -            | 29       | _            | ⊢              |          |          | Н              | -               | $\dashv$      | $\dashv$ | ┥        |              | 79       | $\vdash$        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        | ┨        |  | 129        |          | ╁╾       | ⊢              | Н               | $\dashv$      | $\dashv$ | +        |
| -            |          | -            | ⊢              |          | _        | Н              | $\dashv$        | $\dashv$      | $\dashv$ | -        | -            | 80       | -               |                 |          | $\dashv$ | $\dashv$ | +        | +        |          | -        |  | 130        | +        | ╁        | ⊢              | Н               | $\vdash$      | $\dashv$ | +        |
| <u> </u>     | 30       | $\vdash$     | ⊢              |          | _        | Н              | $\vdash$        | -             | $\dashv$ |          |              | 81       | $\vdash$        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | -        | ┨        |  | 131        | +-       | ╫        | ├              | $\vdash$        | -             | -        |          |
| $\vdash$     | 32       | -            | -              |          |          | H              | -               | $\dashv$      | $\dashv$ | $\dashv$ |              | 82       | ⊢               | $\dashv$        | $\dashv$ | ⊣        | $\dashv$ | +        | +        | $\dashv$ | ┥        |  | 132        |          | ┿        | ⊢              | Н               | $\dashv$      | +        | -        |
| $\vdash$     | 33       | -            |                | _        | _        | $\vdash$       | $\vdash$        | $\dashv$      | $\dashv$ | -        |              | 83       | -               |                 | -        | $\dashv$ | $\dashv$ | +        | +        |          | ┨        |  | 133        |          | ╁        | ┝              | Н               | $\dashv$      | +        |          |
| <u></u>      | 34       | $\vdash$     | $\vdash$       |          | $\vdash$ | Н              | $\vdash$        | $\vdash$      | +        | $\dashv$ |              | 84       | $\vdash$        | $\vdash$        | $\dashv$ | {        |          | +        | $\dashv$ | +        | ┨        |  | 134        | +        | ┼        | -              | H               | $\dashv$      | $\dashv$ | +        |
| -            | 35       | $\vdash$     | $\vdash$       |          | $\vdash$ | $\vdash$       | $\vdash$        | $\dashv$      | +        | $\dashv$ | <u> </u>     | 85       | $\vdash$        | $\vdash$        | $\dashv$ |          | -        | +        | +        | +        | $\dashv$ | $\vdash$   | 135        |          | +-       | -              | ╁╌┤             | -             | $\dashv$ | +        |
| -            | 36       | $\vdash$     | $\vdash$       |          |          | $\vdash$       | $\vdash\vdash$  | $\vdash$      | +        | $\dashv$ | -            | 86       | $\vdash$        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | <del></del>                                      | 136        |          | +-       | -              | $\vdash$        | $\dashv$      | $\dashv$ | +        |
| <u> </u>     | 37       | $\vdash$     | $\vdash$       | H        | $\vdash$ | $\vdash$       | $\vdash\vdash$  | $\vdash$      | +        | $\dashv$ |              | 87       |                 |                 | $\dashv$ |  | 137        |          | +-       | ├-             | $\vdash$        | -             | +        | +        |
| -            | 38       | 1            | Ͱ              |          |          | Н              | $\vdash$        | $\vdash$      | $\dashv$ | $\dashv$ |              | 88       | Η,              | $\vdash$        | $\vdash$ | ᅱ        | +        | +        | +        | +        | ┨        |  | 138        | -        | ╁        | ⊢              | H               | +             | $\dashv$ | +        |
| <del></del>  | 39       | -            | ⊢              |          |          | H              | $\vdash \vdash$ | -             | $\dashv$ | $\dashv$ |              | 89       | $\vdash \dashv$ | H               | $\dashv$ |          | -{       | +        | +        | +-       | ┨        |  | 139        | $\dashv$ | +        | ⊢              | $\vdash$        | +             | $\dashv$ | +        |
| -            | 40       | -            | $\vdash$       | -        |          | Н              | Н               | $\dashv$      | $\dashv$ | $\dashv$ | $\vdash$     | 90       | H               | $\vdash$        | $\dashv$ | {        | -+       | +        | +        | +        | ┨        |  | 140        | +        | +        | $\vdash$       | Н               | +             | $\dashv$ | +        |
| -            | 41       | $\vdash$     | $\vdash$       |          |          | $\vdash$       | $\vdash$        |               | $\dashv$ | $\dashv$ |              | 91       | $\vdash$        | $\vdash$        |          | -        | $\dashv$ | $\dashv$ | +        | +        | -        | <del>                                     </del> | 141        | +        | ╁        | ⊢              | Н               | $\dashv$      | $\dashv$ | +        |
| -            | 42       | -            | ├              | Н        | -        | $\vdash$       | Н               | $\dashv$      | $\dashv$ | $\dashv$ | $\vdash$     | 92       | $\vdash$        | Н               | $\vdash$ | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | -  | 142        | $\dashv$ | +        | ┢              | Н               | +             | $\dashv$ | +        |
| $\vdash$     | 43       |              | ⊢              | $\vdash$ | H        | Н              | $\vdash \vdash$ | $\dashv$      | +        | $\dashv$ |              | 93       | $\vdash$        | $\vdash \vdash$ | $\dashv$ | -        | $\dashv$ | +        | +        | +        | $\dashv$ | <del></del>                                      | 143        | -        | +-       | $\vdash$       | Н               | $\dashv$      | +        | +        |
|              | 44       | 1            | $\vdash$       | H        | -        | Н              | Н               | $\dashv$      | +        | $\dashv$ |              | 94       | $\vdash$        | $\vdash$        | $\dashv$ | -        |          | $\dashv$ | +        | +        | ┨        | $\vdash$   | 144        | +        | +        | $\vdash$       | Н               | +             | $\dashv$ | +        |
| -            | 45       | $\vdash$     | $\vdash$       | Н        | H        | Н              | $\vdash$        | $\dashv$      | +        | $\dashv$ | $\vdash$     | 95       | $\vdash$        | $\vdash$        | $\dashv$ |          | -        | +        | $\dashv$ | +        | ┨        | $\vdash$   | 145        | +        | +        | $\vdash$       | Н               | +             | $\dashv$ | +        |
|              | 46       | ├            | $\vdash$       | Н        | Н        | Н              | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ | -            | 96       | $\vdash$        | $\vdash$        | -        | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | +        | ┨        | -  | 146        | -        | +        | ⊢              | $\vdash$        | +             | $\dashv$ | +        |
| $\vdash$     | 47       | ┢            | $\vdash$       | Н        | Н        | Н              | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ |              | 97       | $\vdash$        | $\dashv$        | $\dashv$ | ╛        | -        | +        | +        | $\dashv$ | 1        | <del>                                     </del> | 147        |          | +-       | $\vdash$       | Н               | +             | $\dashv$ | +        |
| $\vdash$     | 48       | $\vdash$     | $\vdash$       | $\vdash$ | Н        | Н              | $\vdash$        | $\dashv$      |          | $\dashv$ |              | 98       | $\vdash$        | $\vdash$        | -        | -        | +        | $\dashv$ | $\dashv$ | +        | ┨        |  | 148        | $\dashv$ | +-       | <del> -</del>  | $\vdash \vdash$ | $\dashv$      | +        | +        |
| <del> </del> | 49       | $\vdash$     | $\vdash$       | Н        | $\vdash$ | Н              | $\vdash$        | $\dashv$      | $\dashv$ | $\dashv$ |              | 99       | $\vdash$        | $\vdash$        | $\dashv$ | $\dashv$ | -1       | $\dashv$ | +        | +        | 1        | $\vdash \vdash$                                  | 149        | +        | +        | $\vdash$       | H               | -+            | +        | +        |
| -            | 50       | Н            | Т              | $\vdash$ | Н        | $\vdash$       | $\dashv$        |               | $\dashv$ | $\dashv$ | -            | 100      | $\vdash$        | $\dashv$        |          | $\dashv$ | 7        | $\dashv$ | $\dashv$ | 十        | ٦        | $\vdash$   | 150        | $\dashv$ | +        | $\vdash$       | Н               | $\dashv$      | 十        | $\dashv$ |
|              |          |              |                |          |          | _              |                 |               |          |          |              |          |                 |                 |          | _        |          |          |          |          |          | L  |            |          | 1        |                | , 1             |               | 1        | _1 .     |